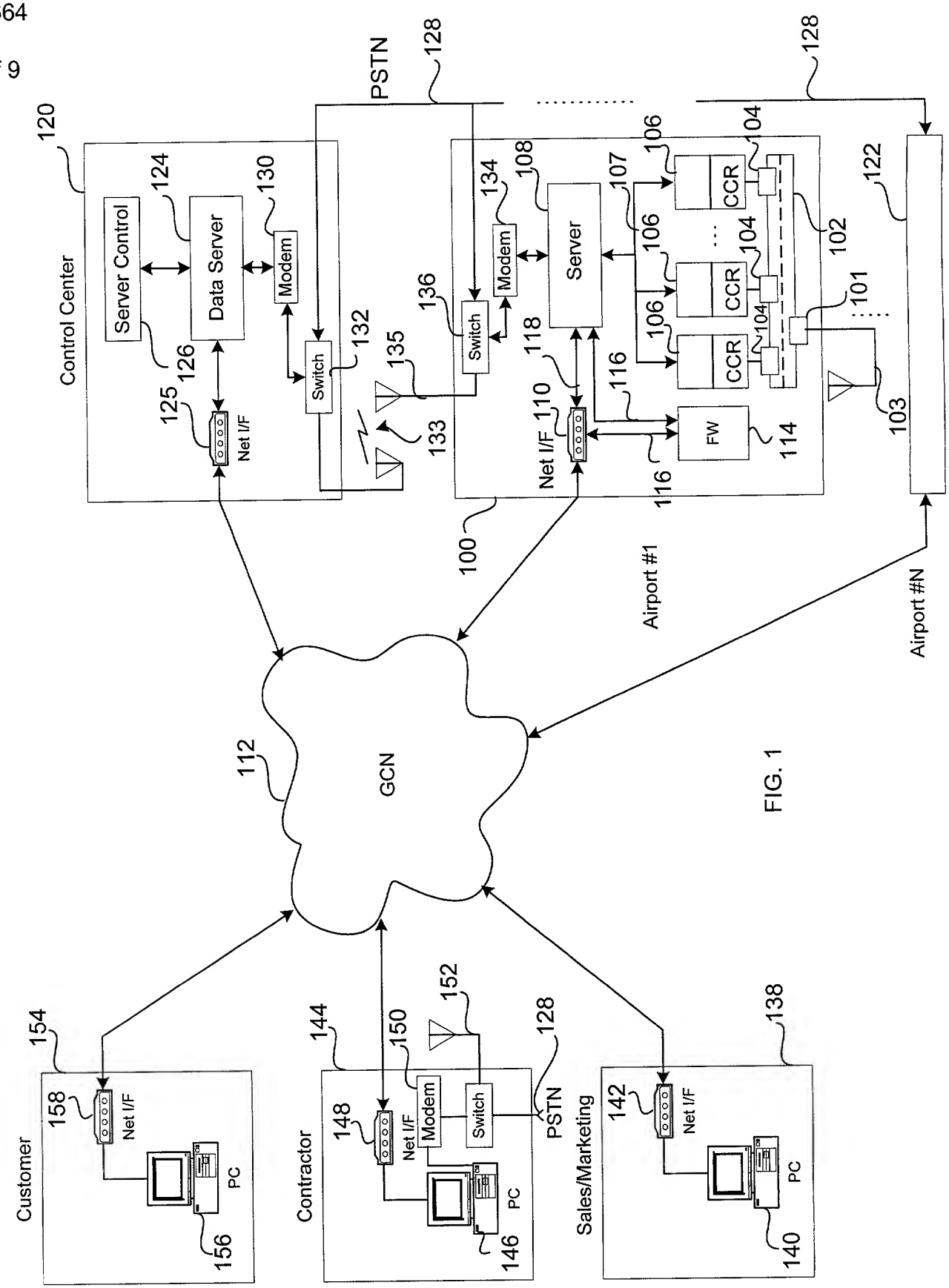

Control Center
Server Control
Data Server
Modem
Net I/F
Switch
PSTN
Modem
Server
Switch
CCR
FW
Net I/F
Airport #1
Airport #N
GCN
Customer
Net I/F
PC
Contractor
Net I/F
Modem
Switch
PSTN
PC
Sales/Marketing
Net I/F
PC

FIG. 1

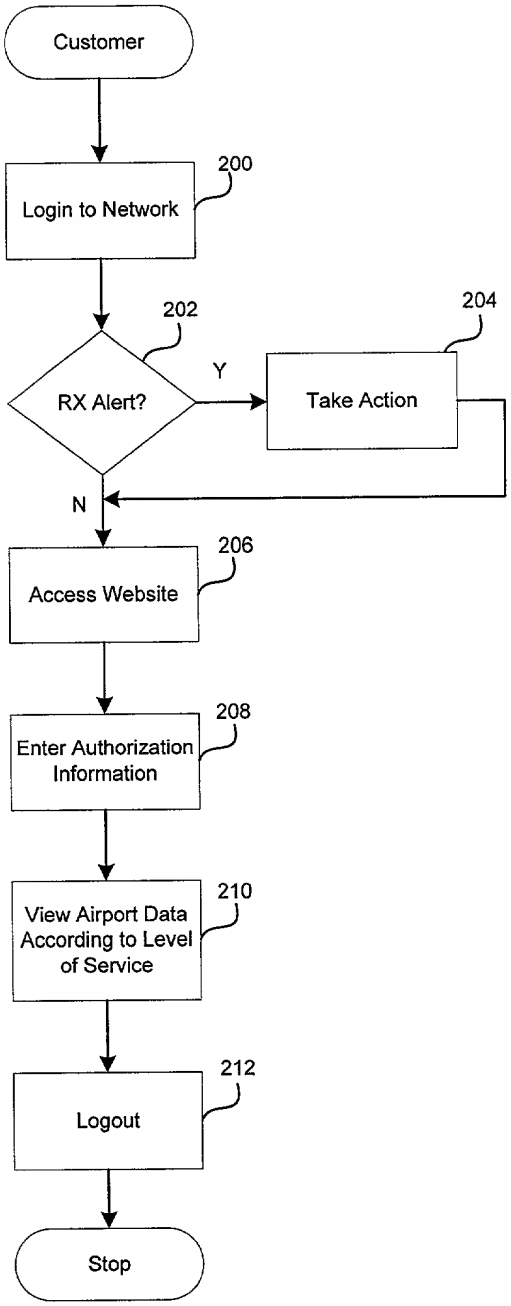

Customer
Login to Network
200
RX Alert?
202
Y
Take Action
204
N
Access Website
206
Enter Authorization Information
208
View Airport Data According to Level of Service
210
Logout
212
Stop

FIG. 2

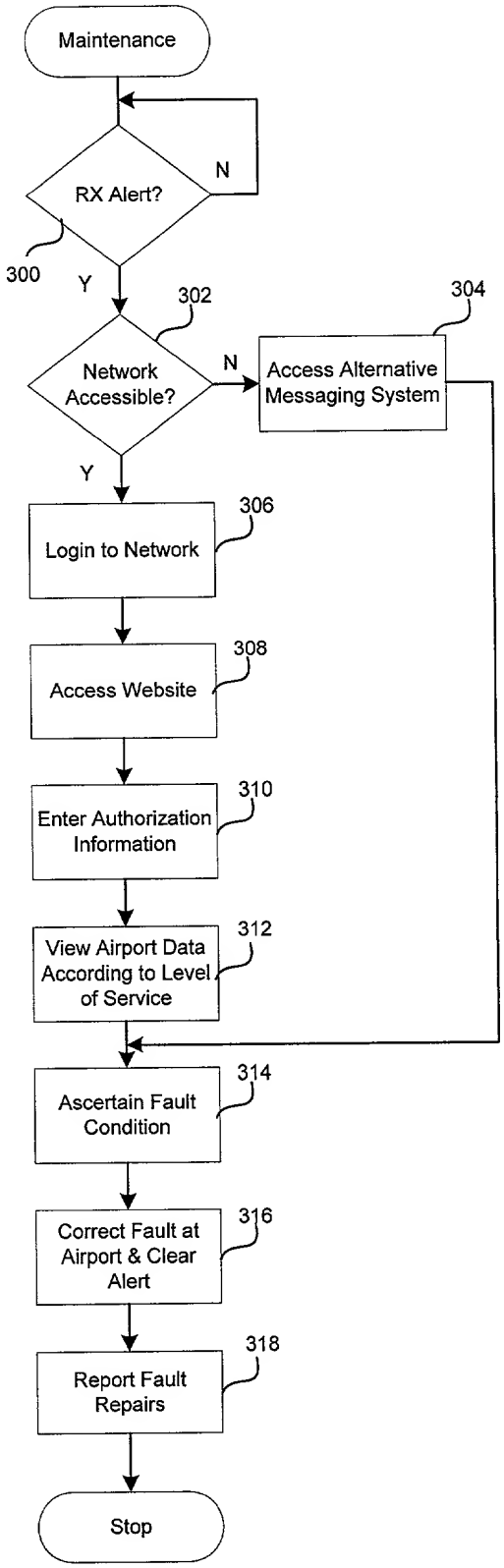

Maintenance
RX Alert?
N
300
Y
302
Network Accessible?
N
304
Access Alternative Messaging System
Y
306
Login to Network
308
Access Website
310
Enter Authorization Information
312
View Airport Data According to Level of Service
314
Ascertain Fault Condition
316
Correct Fault at Airport & Clear Alert
318
Report Fault Repairs
Stop

FIG. 3

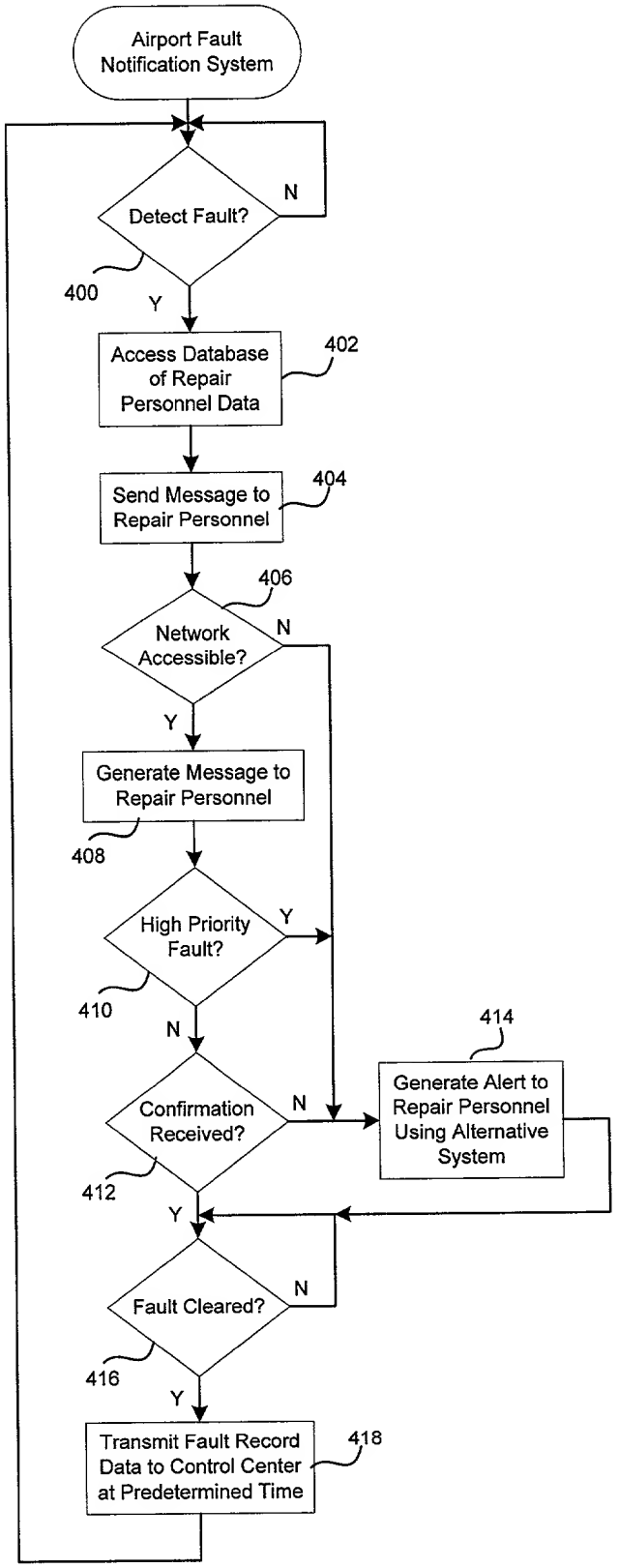

Airport Fault Notification System
Detect Fault?
N
Y
400
Access Database of Repair Personnel Data
402
Send Message to Repair Personnel
404
406
Network Accessible?
N
Y
Generate Message to Repair Personnel
408
High Priority Fault?
Y
410
N
414
Confirmation Received?
N
Generate Alert to Repair Personnel Using Alternative System
412
Y
Fault Cleared?
N
416
Y
Transmit Fault Record Data to Control Center at Predetermined Time
418

FIG. 4

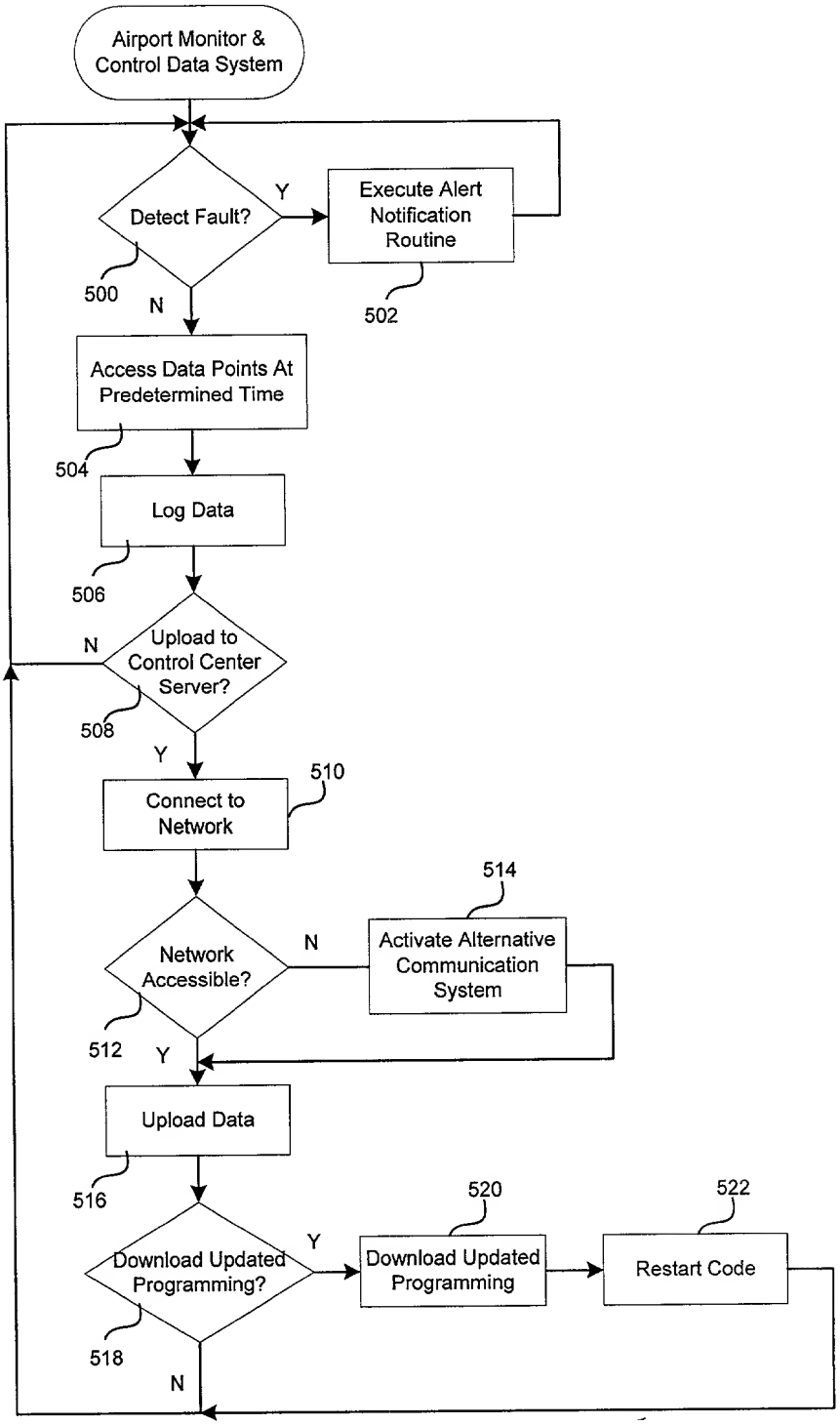

Airport Monitor & Control Data System
Detect Fault?
Y
Execute Alert Notification Routine
500
N
502
Access Data Points At Predetermined Time
504
Log Data
506
Upload to Control Center Server?
N
508
Y
510
Connect to Network
514
Network Accessible?
N
Activate Alternative Communication System
512
Y
Upload Data
516
520
522
Download Updated Programming?
Y
Download Updated Programming
Restart Code
518
N

FIG. 5

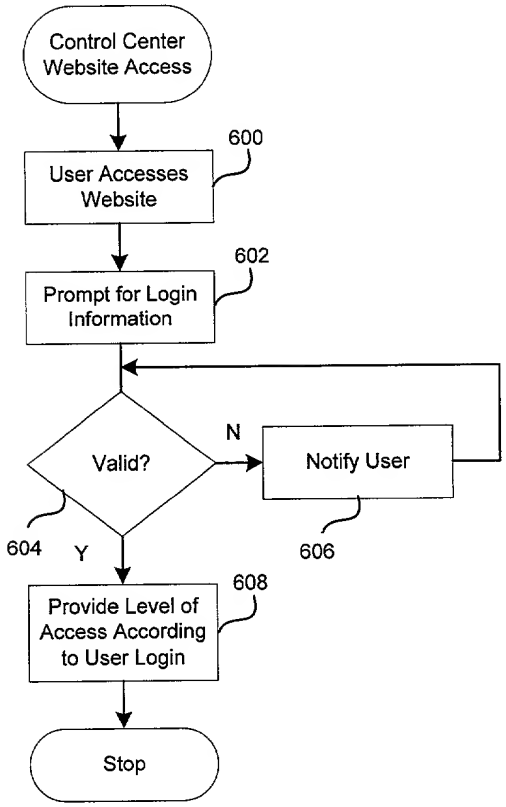

Control Center Website Access
600
User Accesses Website
602
Prompt for Login Information
Valid?
N
Notify User
604
Y
606
608
Provide Level of Access According to User Login
Stop

FIG. 6

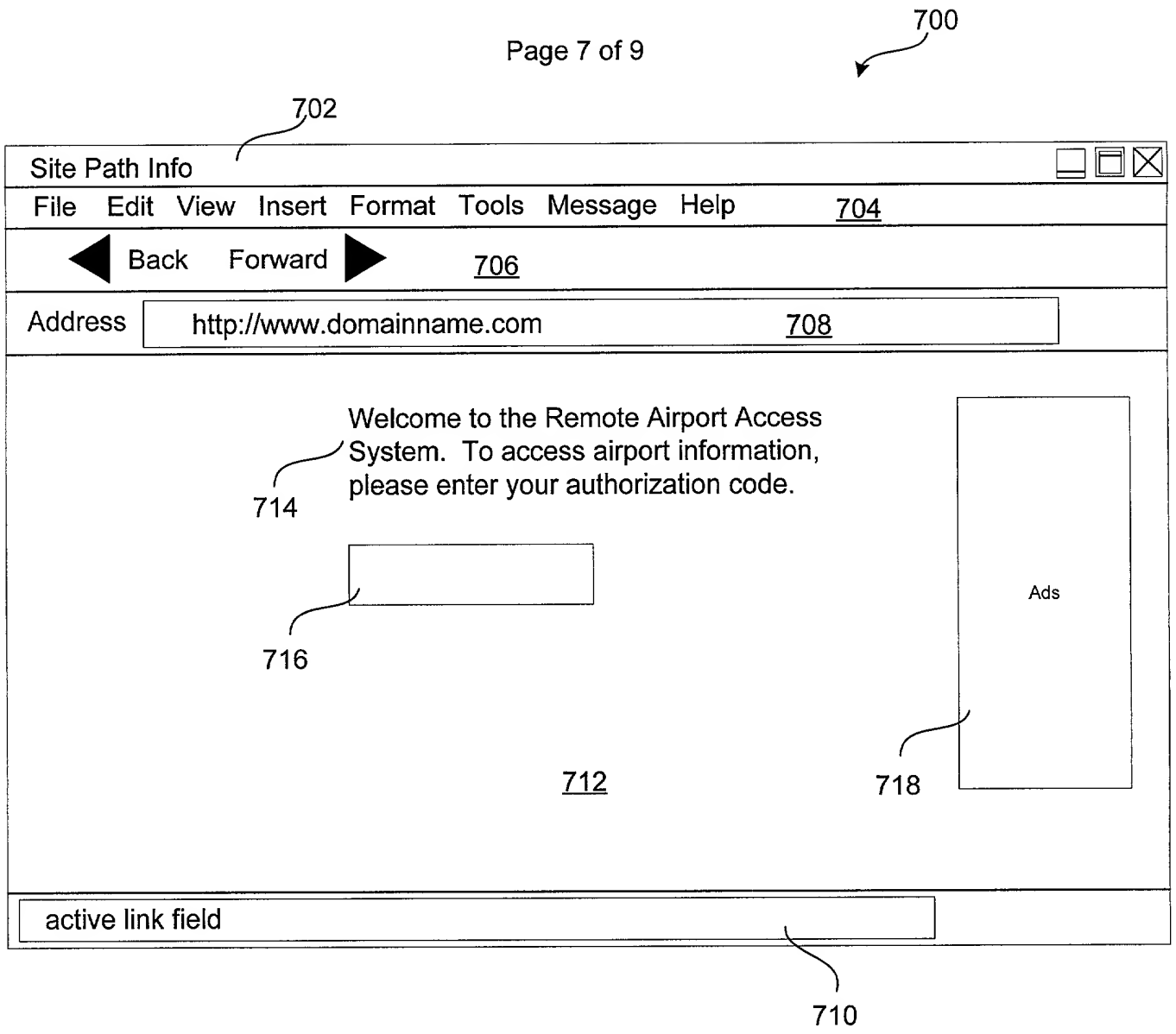

700
702
Site Path Info
File Edit View Insert Format Tools Message Help
704
Back Forward
706
Address
http://www.domainname.com
708
Welcome to the Remote Airport Access System. To access airport information, please enter your authorization code.
714
716
Ads
712
718
active link field
710

FIG. 7

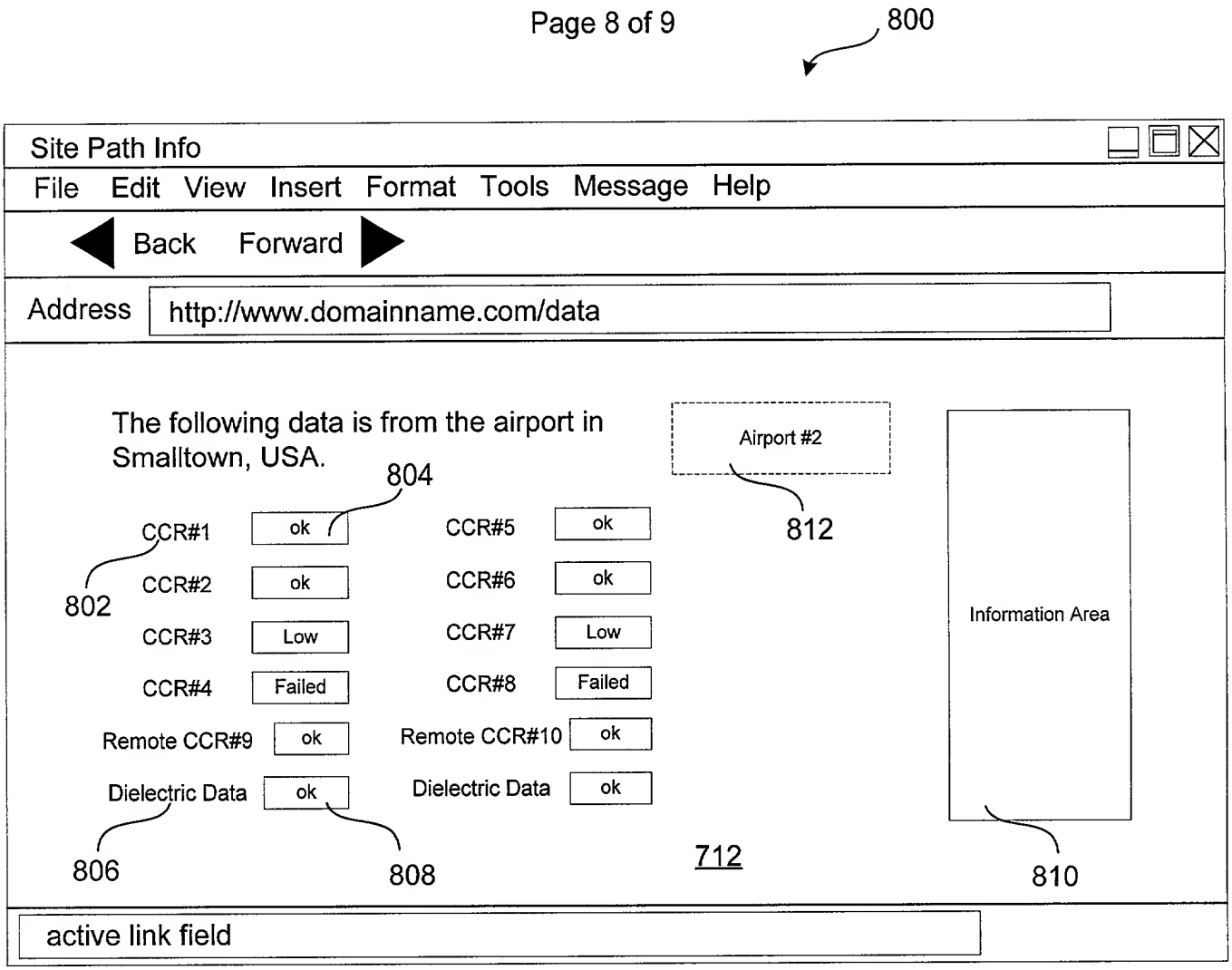
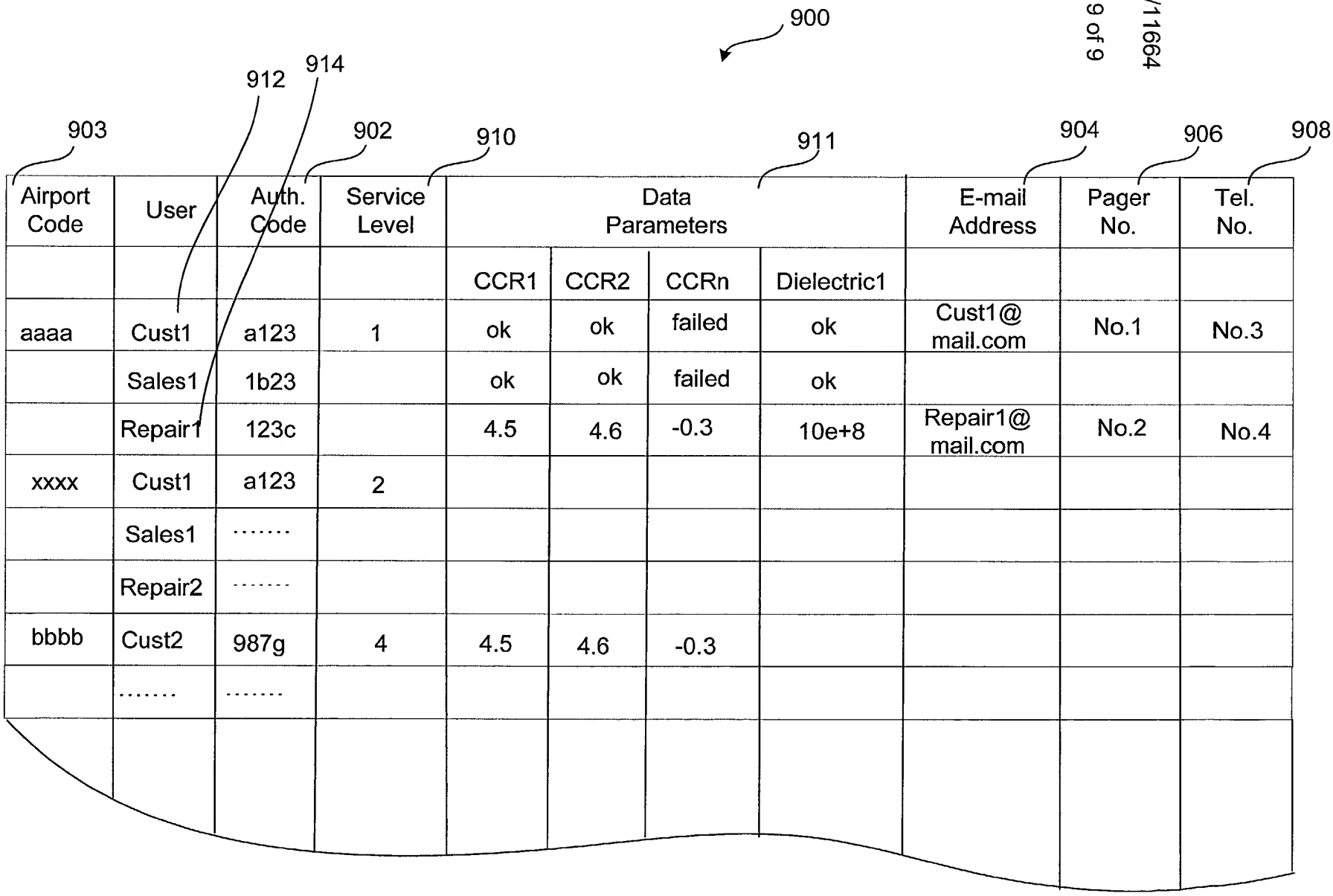

800
Site Path Info
File Edit View Insert Format Tools Message Help
Back Forward
Address
http://www.domainname.com/data
The following data is from the airport in Smalltown, USA.
804
CCR#1 ok
CCR#2 ok
CCR#3 Low
CCR#4 Failed
Remote CCR#9 ok
Dielectric Data ok
CCR#5 ok
CCR#6 ok
CCR#7 Low
CCR#8 Failed
Remote CCR#10 ok
Dielectric Data ok
802
806
808
Airport #2
812
712
Information Area
810
active link field

FIG. 8



Airport Code	User	Auth. Code	Service Level	Data Parameters				E-mail Address	Pager No.	Tel. No.
				CCR1	CCR2	CCRn	Dielectric1			
aaaa	Cust1	a123	1	ok	ok	failed	ok	Cust1@ mail.com	No.1	No.3
	Sales1	1b23		ok	ok	failed	ok			
	Repair1	123c		4.5	4.6	-0.3	10e+8	Repair1@ mail.com	No.2	No.4
xxxx	Cust1	a123	2							
	Sales1	.....								
	Repair2	.....								
bbbb	Cust2	987g	4	4.5	4.6	-0.3				
	.....	.....								

FIG. 9